

SIMOVER MASTERDRIVES Motion Control

Documentation and training

Overview

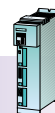
The documentation for the units (converters, inverters, rectifier units, rectifier/regenerative units), system components and options is provided in English and German for the products ordered. When ordering MASTERDRIVES products, you can also order operating instructions in other languages as follows:

Language	Code
French/English	D77
Spanish/English	D78
Italian/English	D72

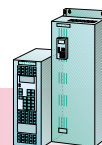
The documentation with its detailed description of the parameter lists and control concepts is very extensive. The additionally available free function blocks, which can be combined and connected as required with the help of the BICO system, require additional instructions. Therefore, the documentation is split up into three parts:

- The operating instructions are supplied with the units and contain the information necessary for standard drives, without the parameter lists and without the binector/connector lists.

Compact PLUS units



Compact and chassis units



- The Compendium contains the detailed documentation for the software, including parameter lists and binector/connector lists as well as block circuit diagrams for the various types of open-loop and closed-loop control and function blocks. The Compendium must be ordered separately and is valid for all types of units. The Compendium is necessary when
 - the technology software is used (centrally or distributed)
 - additional signals, above and beyond those of the factory settings, are to be processed, i.e. if access to the parameter list is required.
- the full range of functions of the converter software, including communication by means of field-bus systems, is to be used
- additional inputs/outputs are envisaged via the EB1 and EB2 expansion boards
- the free function blocks are to be used.
- The CD-ROM is included in the scope of supply (exception: Option D99). This contains:
 - DriveMonitor V 5.x
 - all operating instructions and the Compendium in the form of PDF files in German and English and other available languages.

Operating instructions

Converter and inverter units

Operating instructions for	Size	Order No.
AC/AC Compact PLUS unit		6SE708□-□JP50
AC/AC compact unit	A to D	6SE708□-□JD50
AC/AC chassis unit	E to K	6SE708□-□JK50
DC/AC Compact PLUS unit		6SE708□-□KP50
DC/AC compact unit	A to D	6SE708□-□KD50
DC/AC chassis unit	E to J	6SE708□-□KN50
↑ ↑		
German/English		7 6
Italian/English		7 2
French/English		7 7
Spanish/English		7 8

Rectifier/regenerative units

Operating instructions for	Size	Order No.
Compact and chassis units	C to K	6SE708□-□AK85-1AA0
↑ ↑		
English		7 6
Italian		7 2
French		7 7
Spanish		7 8
German		0 0

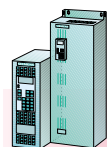
Rectifier units

Operating instructions for	Size	Order No.
Compact PLUS unit ¹⁾		6SE708□-□NP85-0AA0
Compact unit	B and C	6SE708□-□AC85-0AA0
Chassis unit	E	6SE708□-□AE85-0AA0
Chassis unit	H and K	6SE708□-□AK85-0AA0
↑ ↑		
German/English		7 6
Italian		7 2
French		7 7
Spanish		7 8

Self-commutated, pulsed rectifier/regenerative units Active Front End (AFE)

Unit type	Frame size	Order No.	Order No.
Compact unit	A to D	6SE708□-□KD80	-
Chassis unit	E to G	-	6SE708□-□CX86-2AA0
↑ ↑			
German/English		7 6	0 0
German		0 0	7 6
English		7 6	7 2
Italian		7 2	7 7
French		7 7	7 8
Spanish		7 8	7 8

¹⁾ English is included in all the language combinations.



Compact and
chassis units



Compact
PLUS units

SIMOVERT MASTERDRIVES Motion Control

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Operating instructions

System components

Operating instructions for	Order No.
Capacitor module ¹⁾	6SE708□-□NP87-2DD0
DC link module ¹⁾	6SE708□-□NP87-3CR0
Braking units	6SE708□-□CX87-2DA0
Radio-interference suppression filter for Compact PLUS units ¹⁾	6SE708□-□NP87-0FB0
Radio-interference suppression filter for compact and chassis units	6SE708□-□CX87-0FB0
German/English	7 6
Italian	7 2
French	7 7
Spanish	7 8

Electronics options

Electronics options	Order No.
OP1S operator control panel	6SE708□-□NX84-2FK0
SBR1/2 resolver board	6SE708□-□NX84-0FC0
SBP incremental encoder board	6SE708□-□NX84-0FA0
SBM/SBM2 incremental encoder/multiturn encoder evaluation board	6SE708□-□NX84-0FD0
EB1 expansion board	6SE708□-□NX84-0KB0
EB2 expansion board	6SE708□-□NX84-0KC0
CBP/CBP2 communication board for PROFIBUS DP	6SE708□-□NX84-0FF0
CBC communication board for CAN bus	6SE708□-□NX84-0FG0
SLB communication board for SIMOLINK	6SE708□-□NX84-0FJ0
German/English	7 6
Italian/English	7 2
French/English	7 7
Spanish/English	7 8

1) English is included in all the language combinations.

T100 and T300 technology boards

Technology boards	Language	Order No.
T100 technology board – Hardware description	G/En/Fr/S/It	6SE7080-0CX87-0BB0
T300 technology board – Hardware description	German/ English French	6SE7087-6CX84-0AH0 6SE7087-7CX84-0AH0
MS320 software module axial winder, for T300	German English	6SE7080-0CX84-2AH1 6SE7080-6CX84-2AH1
MS340 software module angular synchronism control, for T300	German English French	6SE7080-0CX84-4AH1 6SE7087-6CX84-4AH1 6SE7087-7CX84-4AH1
MS360 software module multi- motor drive, for T300	German English	6SE7080-0CX84-6AH1 6SE7087-6CX84-6AH1
MS380 software module positioning control, for T300	German English	6SE7080-0CX84-8AH1 6SE7087-6CX84-8AH1
MS100 software module universal drive, for T100	German English	6SE7080-0CX84-0BB1 6SE7087-6CX84-0BB1
SCB1 interface board with SCI1 and SCI2		6SE708□-□CX84-0BC0
SCB2 interface board		6SE708□-□CX84-0BD0
German/English		7 6
Italian		7 2
French		7 7
Spanish		7 8